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MEETING MINUTES

TO: Distribution **DATE:** March 2, 1995

FROM: Phil Nixon **DOC #:** SP307:030795:02

PROJECT: Solar Evaporation Ponds, OU4 IM/IRA

SUBJECT: Joint Working Group Weekly Meeting

ATTENDANCE:

Andy Ledford, EG&G	Steve Paris, EG&G	Richard Henry
Steve Howard, DOE/SMS	Kim Ruger, EG&G	Pete Holland
Scott Surovchak, DOE	Jeff Ciocco, DOE	Steve Hughes
Harlan Ainscough, CDPHE	Marcia Dibiasi, IGO	Ned Krohn
Arturo Duran, EPA	Jesse Roberson, DOE	Terry Kuykendall
Harry Heidkamp, Parsons	Briand Wu, DOE	Robin Lux
Pete Holland, Parsons	Bob Siegrist, LATO	Ron McConn
Lee Pivonka, G&M	Alan McGregor, ERM	Linda Murray
	Leigh Benson	Dave Myers
DISTRIBUTION:	Pat Breen	Phil Nixon
	Scott Cole	J.P. O'Brien
Leon Collins, EG&G	Dan Creek	Alan Putinsky
Steve Cooke, EG&G	Becky Cropper	Chuck Rose
Steve Keith, EG&G	Jim Dawson	Ron Schmiermund
Kathy London, EG&G	Walt Edmonson	Rich Stegen
M. Matthews, EG&G, 2	John Evans	Sandy Stenseng
Michelle McKee, EG&G	Terry Evans	Rick Wilkinson
Toni Moore, EG&G	Mike Glade	Steve Woolfolk
	Jenny Hartfelder	Central Files (9.1.5.3)

Discussion/Ratification of Meeting of Previous Meeting

Discussion/ratification of the previous meeting's minutes was deferred until later in the agenda so that attendees could mark-up copies of the draft minutes. Lee Pivonka had his comments prepared. No other comments were received at the close of the meeting.

Meeting Minutes

March 7, 1995

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Recently Expressed EPA Concerns

Arturo Duran requested an updated project schedule and milestone schedule. Andy Ledford provided an updated milestone schedule that had been previously agreed upon and said he can provide an updated project schedule.

Mr. Duran reiterated his concerns about the subsurface drain:

- Are his comments on the design drawings being addressed? Where does the water flow to? Mr. Ledford said the comments are being addressed and that the water flow is indicated on the drawings to flow to the ITS.
- Does the IM/IRA-EA DD describe how the drain will be constructed? Mr. Duran requested that additional text be added to the IM/IRA-EA DD that describes how the grade and slope of the subsurface drain will be established. Do the drain designers have previous experience with this technology or knowledge of other applications of this technology? Harry Heidkamp said the construction strategy was presented in Part IV of the IM/IRA-EA DD and included the subsurface drain. Steve Howard added that the drain construction will be provided in more detail during the title design phase. Parsons will investigate where and if this technology has been previously used.
- A general figure that was used in the video tape incorrectly shows ground water flowing into the edge of the subsurface drain and should be revised to show the drain's function under the conditions of a rising water table. Harlan Ainscough added that the depiction as shown could be interpreted such that a large rise in ground water elevation would bypass the subsurface drain. In this scenario, the subsurface drain would require an upward sloping extension of the drain around its perimeter similar to the side of a pie-crust.

Mr. Duran stated that Martin Hessmark of EPA had inquired what are the cost drivers for the \$58M sludge/pondcrete treatment. Mr. Duran asked if the proposed processing was the only option for this waste which accounts for only 10% of the consolidated materials. Mr. Heidkamp stated that the treatment cost alone was only about \$42M and that the higher number had included other costs such as a treatability study. Mr. Howard stated that the processing costs were at a conceptual level of effort and that the difference between the two costs included other smaller items besides the treatability study. Scott Surovchek stated that the sludge/pondcrete conceptual design report has not yet been completed and thus, the conceptual level processing estimate was not final. The current estimated processing cost is based on a historical processing productivity of about 30%. The actual productivity at OU4 is expected to be upwards of 80% with a corresponding decrease in processing costs. Mr. Ledford stated that site factors such as unionized labor drive the cost of any project at the RFETS. Mr. Heidkamp stated that when one compares the construction cost with the total estimated cost of any of the

Part III screening estimates, it will be observed that the ratio of the TEC to the construction cost varies from a minimum of about 2.5 to as high as 5.0, i.e., it costs about 2.5 to 5.0 times as much to perform work in the most restrictive environment at the RFETS than at an offsite location.

Mr. Ledford stated that there were three scenarios that have evolved in which sludge/pondcrete could be processed:

- Till the waste materials into the soil (Mr. Ainscough stated that performance issues prevent this from being done),
- Ex situ mixing with soil without any additives, and
- Ex situ mixing with soil and with cementitious materials to chemically bind the free liquids.

Mr. Heidkamp stated that while other processing options, such as dewatering, have been considered, the proposed stabilization method is preferred because in addition to elimination of free liquids, contaminants will be bound in the product material. Contaminant leaching/migration is a potential concern from a sludge/pondcrete product that has not been processed to as high a degree as with the proposed method. Mr. Duran stated that Mr. Hessmark has inquired what is the criteria that must be met to put processed sludge/pondcrete under the engineered cover. Mr. Surovchek stated that these criteria have been listed in the design criteria section of the IM/IRA-EA DD.

Schedule Modifications to Accommodate Closure Permit

Mr. Ainscough stated that Building 788 cannot be torn down until the approved permit is issued. Mr. Ainscough stated that DOE can begin removing materials from inside and around Building 788. Mr. Ainscough stated that Gary Baughman has indicated that a permit modification will be required. Temporary authorization to proceed could be issued now if it was required. CDPHE is working on an analysis concerning the sludge/pondcrete disposition.

Mr. Ledford asked if CDPHE can begin drafting the permit before CDPHE sees the certified drawings. Mr. Ainscough stated in the affirmative to last week's question, "Can a permit be issued without certified drawings?" It will be acceptable to have the certified drawings delivered as the final Title II deliverable (as a permit condition). However, DOE should still be able to meet the start of construction date of October 28, 1996. Mr. Ledford stated that a potential hindrance to meeting this deadline is approval of the final IM/IRA design. Mr. Ainscough stated that if DOE stops pursuing the pondcrete issue, then the construction milestone will be met, otherwise the schedule will be exceeded.

Schroeder Presentation Meeting Debriefing

Congresswoman Pat Schroeder's office was represented by only one aide, Jeff Dorschner. Mr. Howard stated that the presentation was done well, especially with the support of the regulatory agencies. DOE's introduction brought out good points, but could be more integrated with the rest of the presentation. Mr. Ainscough suggested that for future presentations, start with the introduction, show the video tape, and then field questions.

Presentation to Jefferson County

It was discussed that the Jefferson County was briefed with respect to the OU4 closure. Arturo Duran had expected that Jefferson County might have had concerns with respect to the disposition of sludge and pondcrete. This potential concern was not an issue at the briefing. Mr. Ainscough stated that the only question offered by Mr. Dorschner was "Is the remedy temporary before final offsite disposal." Mr. Ainscough made it clear to Mr. Dorschner that it was not a temporary solution.

Miscellaneous

Mr. Ledford of EG&G transmitted today to Mr. Ainscough of CDPHE the sampling plan and sampling logs of Brown & Root's effort to characterize SEP 207-C.

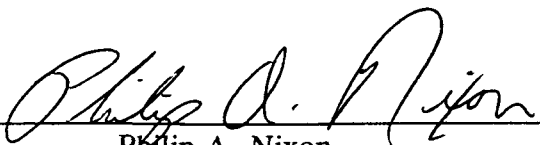
Next Meeting Schedule

The next meeting is currently scheduled for Thursday afternoon, March 9, 1995.

ACTION ITEMS:

Parsons will investigate where and if a subsurface drain has been previously used.

Mr. Ainscough will investigate whether permit modification (Class I) to proceed can be obtained for B964 removal activities.


Philip A. Nixon

OU4 Solar Evaporation Ponds
Project Manager